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G. F. Langston & Co

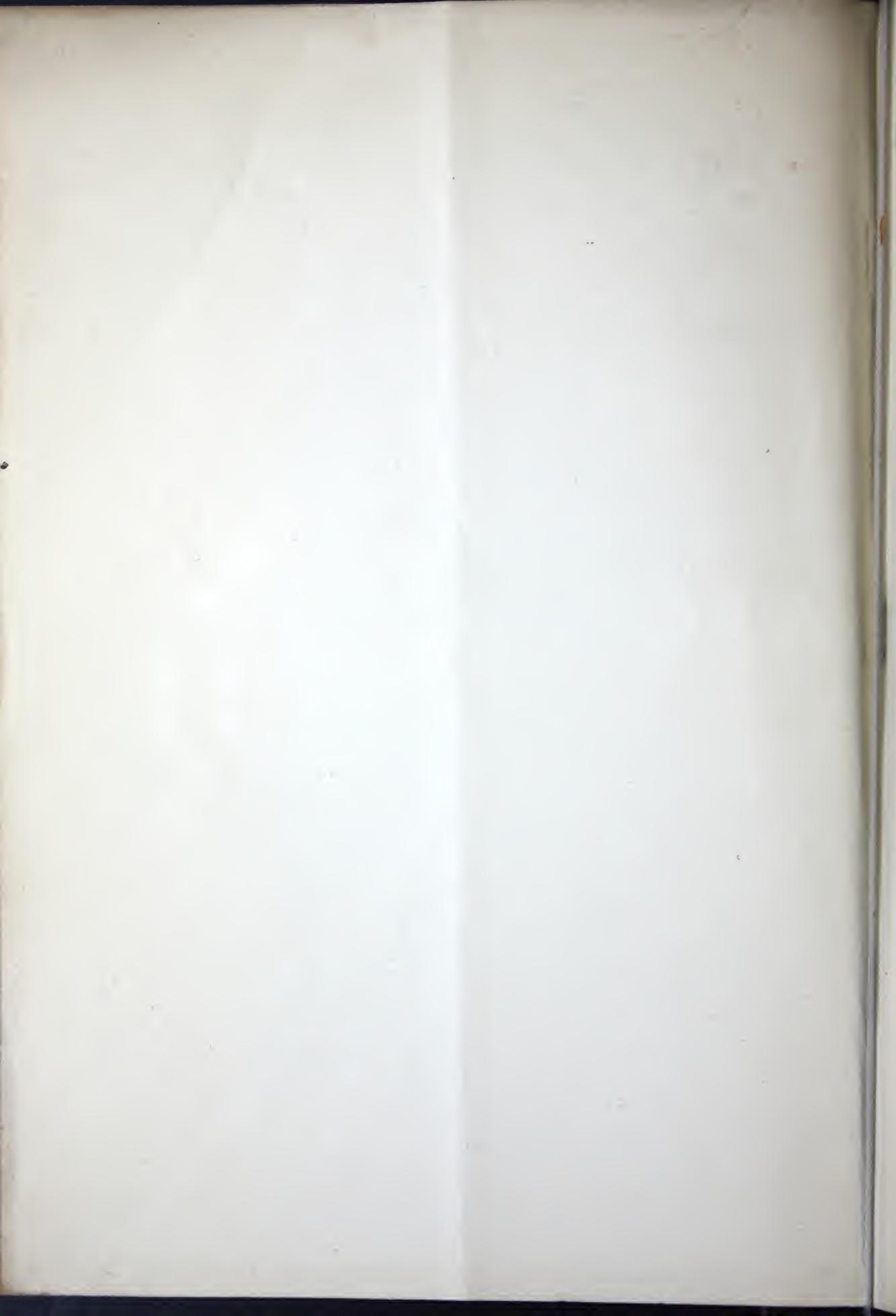
Catalogue and

Price List

Venti-
lating
Fans

For 1893





ILLUSTRATED CATALOGUE

AND PRICE LIST

OF

ROTARY . . .

VENTILATING

FANS AND . . .

EXHAUST . . .

WHEELS . . .



MANUFACTURED BY

C. F. LANGSTON AND CO.

68 AND 70 N. FOURTH STREET

PHILADELPHIA, PA., U.S.A.



Make your place of business cool and comfortable and free from Flies, Mosquitoes, Heat, Smoke and bad Ventilation, use our Patent Ventilating Fans, and Exhaust Wheels. Thousands are in use by Hotels, Restaurants, Saloons, Brewers, Grocers, Confectioners, Druggists, Butchers, Bakers, Public Offices, Manufactories, Stores, Laundries, Etc.

ANTICIPATING a greater demand for the coming season, for our New Rotary Ventilating Fans and Exhaust Wheels, judging from the increased sales every year, and especially during the past season when our sales amounted to more than three times that of any former season, we have increased our facilities to double the former capacity, trusting we shall be able to meet all demands promptly.

We have also added several New and exclusive designs, elegant in finish and of superior workmanship.

Our new regulation for adjusting the blades at any angle, while in motion, which is accomplished by simply pressing the knob at the bottom of Ceiling Fans, or moving a sleeve attached to the shaft immediately under the fan blades, on Counter or Column Fans, is a vast improvement over the old way, when the circulation could not be increased or diminished except by stopping the fan to adjust the blades.

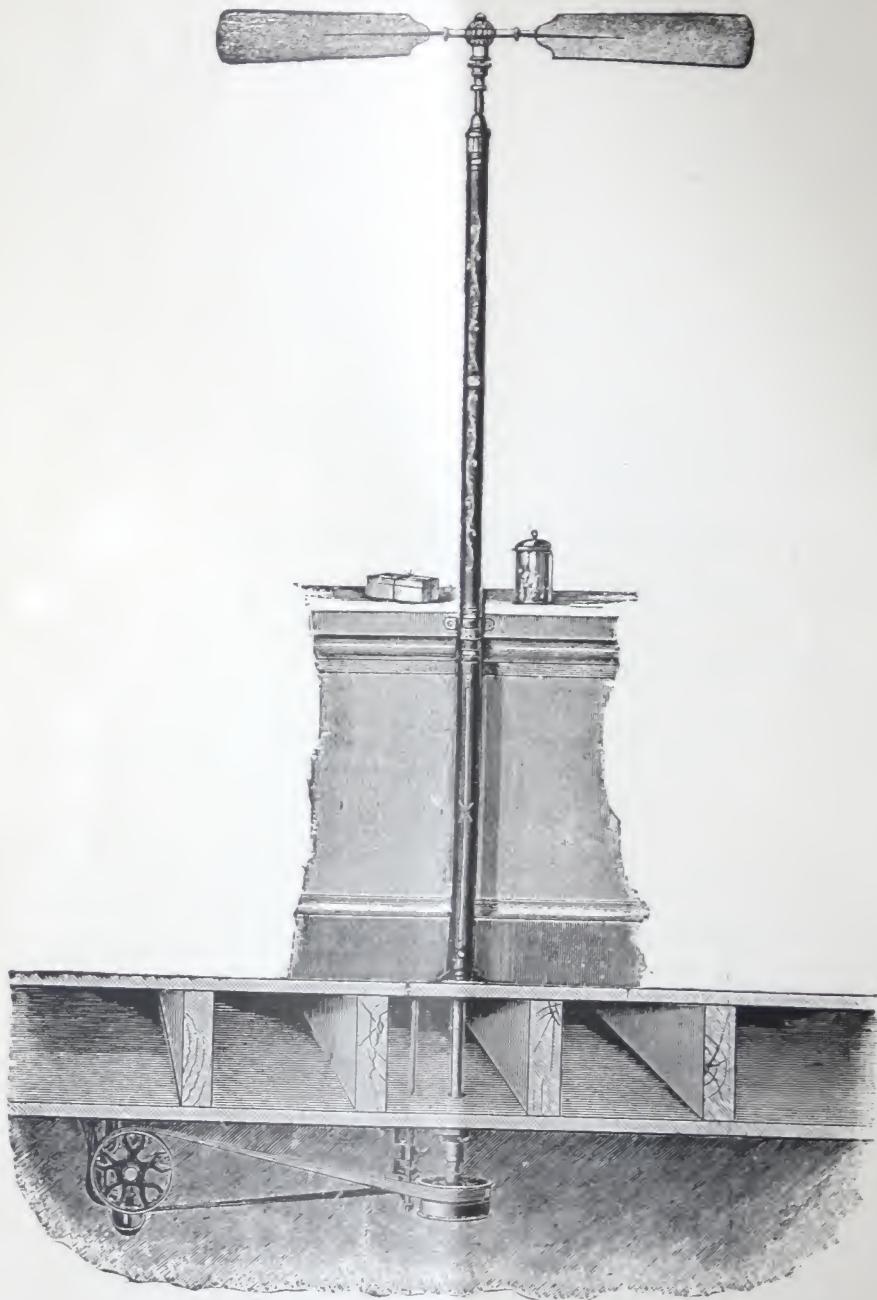
The construction of our Fans is such as to insure light running, making them especially desirable when Electric Motors are used, or a small amount of power is available.

C. F. LANGSTON & Co.,

68 and 70 N. 4th St.,

Telephone 1501.

Philadelphia, Pa., U. S. A.



Counter Fan

THE cut on opposite page represents our Counter Fan, for this season, generally adapted for Lunch bars, Counters, etc., being fastened to the counter by a small brace, the shaft and pipe passing through the floor to the ceiling of the floor beneath, where it is fastened to a bracket secured to the joist, thereby doing away with a flange on the top of the floor.

PRICES

Bronzed, with varnished blades and common carrier, - - - - - \$18 00

With nickeled casing, mahogany finished or Birds-eye maple blades

and regulator, - - - - - 28 00

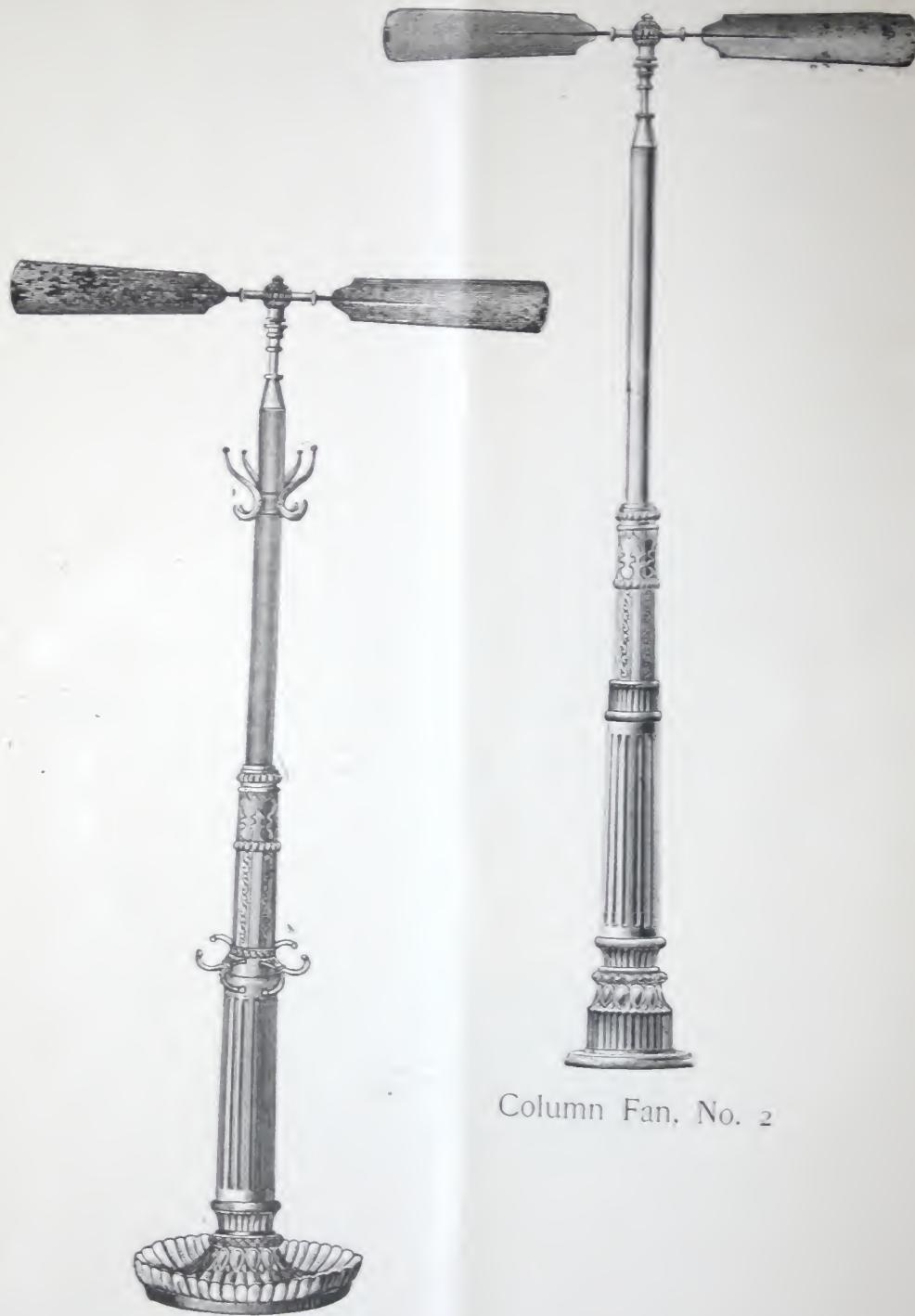


Column Fan No. 1

PRICES

Bronzed, with oil finished blades and common carrier,	\$22 00
Lower section japanned and ornamented, and upper section highly polished in Brass, Nickel or Antique bronze, Mahogany finished or Birds-eye Maple blades and regulator,	35 00

HAVING had many inquiries during the past season for a Column Fan with a short base and the upper section highly polished in nickel, brass or antique bronze, according to the color desired, we have produced the Fan shown on opposite page. This is one of the neatest Column Fans constructed, and we bespeak for it a large sale, considering the low prices at which we are enabled to offer it.



Column Fan, No. 2

Column Fan, No. 2

With Hat-Rack and Umbrella Stand
Attachment

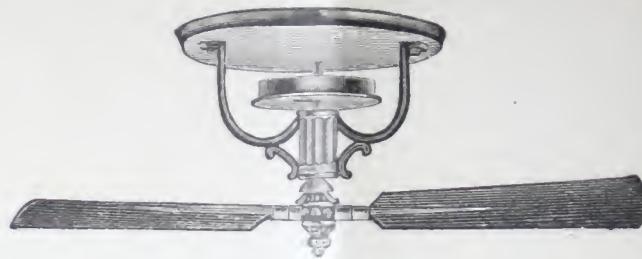


cut on opposite page represents our Standard Column Fan, improved to the highest degree, having a heavy solid base, richly carved and ornamented, and the upper section polished, nickel, brass or antique bronze as may be desired.

In connection with the Column we have devised attachments for making a Hat Rack and Umbrella Stand; also a table especially adapted to Restaurants, Ice Cream Saloons, Barber Shops, Offices, Etc.

PRICES

Plain bronzed, with common carrier, oil finished blades,	\$26 50
With regulator, - - - - -	31 00
Japanned, bronzed, with common carrier, oil finished blades,	29 50
With regulator, - - - - -	34 00
With lower section japanned, upper section polished Brass, Nickel plate or Antique Bronze, Mahogany finished or Birds-eye Maple blades and regulator, - - - - -	42 00
With Hat Rack and Umbrella Stand attachment, \$10 00 extra	
With Table attachment, - - - - -	15 00 extra



Ceiling Fan, No. 1

For Ceilings 8 to 9½ feet high.

PRICES

Bronzed : Varnished Base and Blades ; common carrier, 12 in. drop,	\$7.25
" " " " " " 18 " "	7.50
Japanned : Mahogany finished Base and Blades; common carrier, 12 in. drop,	9.25
" " " " " " 18 " "	9.50
Regulators \$3.00 extra	

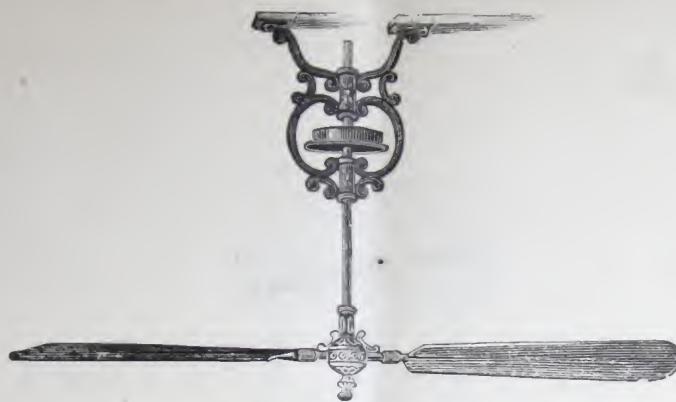


Ceiling Fan, No. 2

For Ceilings 8 to 9½ feet high.

PRICES

Bronzed : Varnished Base and Blades ; common carrier 12 in. drop,	\$8.00
" " " " " " 18 " "	8.25
Japanned : Mahogany finished Base and Blades; common carrier, 12 in. drop,	11.00
" " " " " " 18 " "	11.25
Regulators \$3.00 extra	



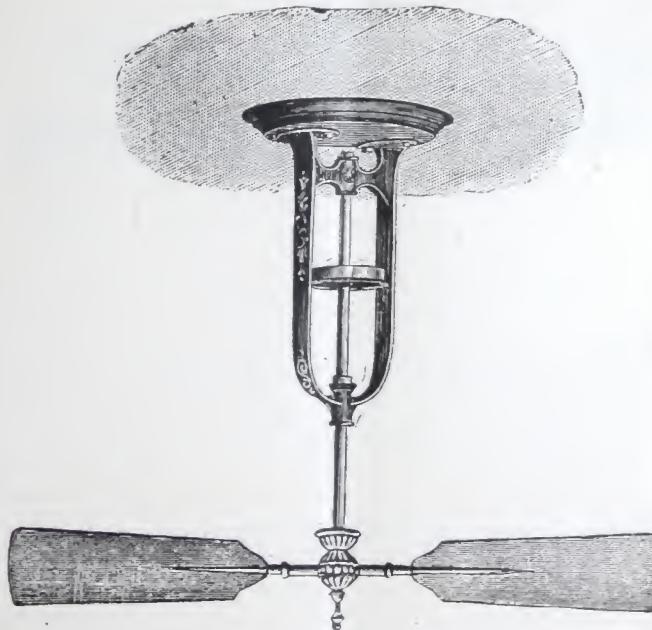
Ceiling Fan, No. 3

FOR CEILINGS 8 1/2 TO 10 FT. HIGH

PRICES

Bronzed: varnished base and blades; common carrier, 14 in. drop,	\$ 9 50
" " " " " 20 " "	10 00
Japanned: Mahogany finished base and blades; common carrier, 14 in. drop,	12 50
" " " " " 20 " "	13 25

Regulator, \$3 00 extra



Ceiling Fan, No. 4

FOR CEILINGS 10 TO 11 1/2 FT. HIGH

PRICES

Bronzed: varnished base and blades; common carrier, 2 ft. 6 in. drop,	\$10 75
" " " " " 3 ft. " "	11 25
" " " " " 3 ft. 6 in. " "	11 75
Japanned: Mahogany fin. base and blades; common carrier, 2 ft. 6 in. drop,	14 00
" " " " " 3 ft. " "	14 50
" " " " " 3 ft. 6 in. " "	15 00

Regulator, \$3 00 extra



Ceiling Fan, No. 5

For Ceilings, 9½ to 14 feet high.

PRICES

Bronzed with Varnished base and blades and common carrier,

{	2	feet drop,	\$10.00
	3	"	12.00
	4	"	14.00
	5	"	16.00
	6	"	18.00

Japanned with Mahogany finished Base and Blades, and Nickel Trimmings with common carrier,

{	2	feet drop,	\$13.00
	3	"	15.00
	4	"	17.00
	5	"	19.00
	6	"	21.00

Regulator, \$3.00 extra,



Ceiling Fan, No. 6

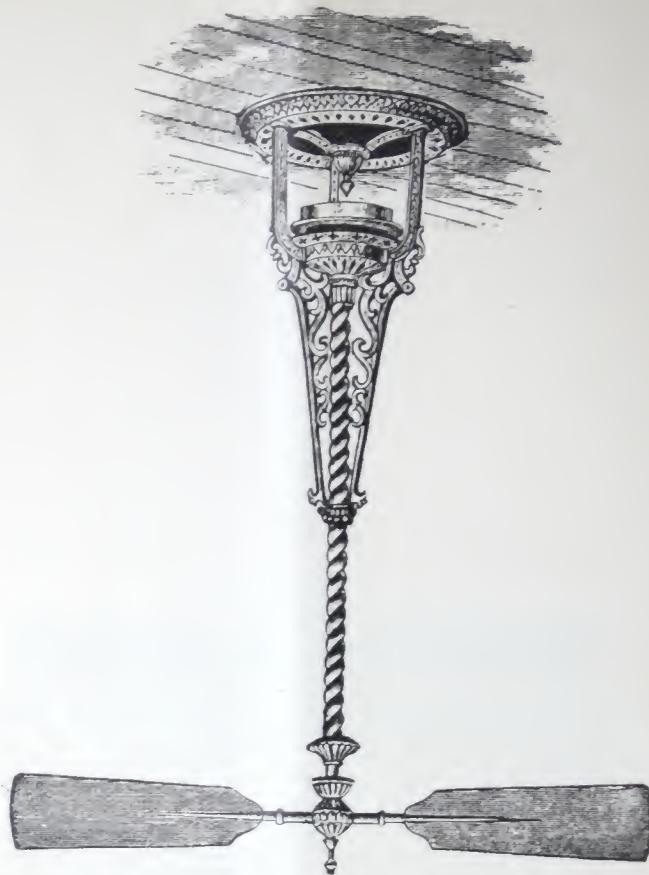
THIS is our newest and most valuable improvement for which we have patents pending. This Fan is constructed to run without belting, all the moving parts or power for turning the blades, (which consist of two small beveled gears, one attached to a $\frac{3}{4}$ inch shaft running through the dome of the Fan, parallel with the ceiling, and the other to the top of the fan shaft where they are connected) being concealed, from which fact as can be readily seen, makes it the most desirable Fan ever produced, in that it does away with the annoyance of unsightly belts soiling the ceiling.

Especially desirable where a number of Fans are to be run tandem, as the power is transmitted separately to each Fan. It is probably necessary to explain that a belt is of course required from the motive power to a countershaft and one from countershaft to a pulley on the end of the shaft as shown in the cut on page 17.

This Fan is applicable to any height of ceiling, and we have made a uniform price for all drops.

PRICES

Bronzed, with oil finished blades and common carrier,	\$20 00
Japanned and Nickeled, with Mahogany finished or Birds-eye Maple blades and regulator,	30 00



Ceiling Fan, No. 7

FOR CEILINGS 10 TO 14 FT. HIGH

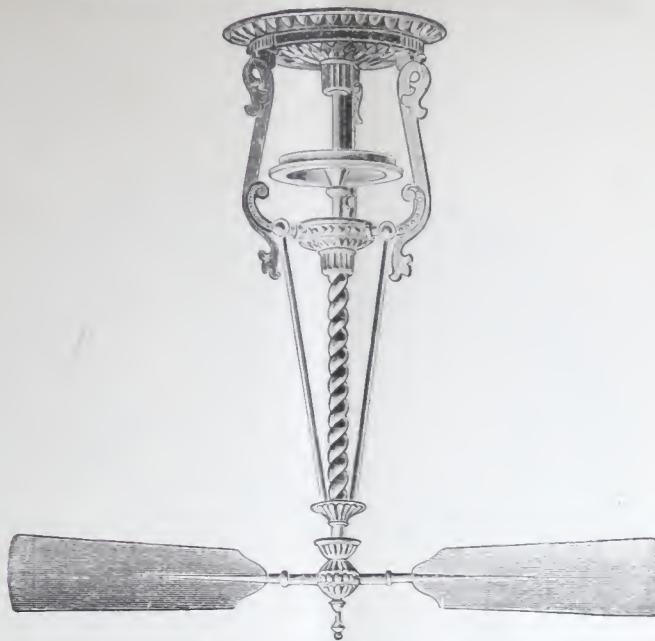
Elegant in design and finish

Bronzed, with oil finished blades and common carrier,

2 ft. 6 in. drop,	\$12 25
3 " 0 "	12 75
3 " 6 "	13 25
4 " 0 "	13 75
4 " 6 "	14 25
5 " 0 "	14 75
5 " 6 "	15 25
6 " 0 "	15 75

Japanned, with Mahogany finished or Birds-eye Maple blades and regulator,

2 " 6 "	19 00
3 " 0 "	19 75
3 " 6 "	20 50
4 " 0 "	21 25
4 " 6 "	22 00
5 " 0 "	22 75
5 " 6 "	23 50
6 " 0 "	24 25



Ceiling Fan, No. 8

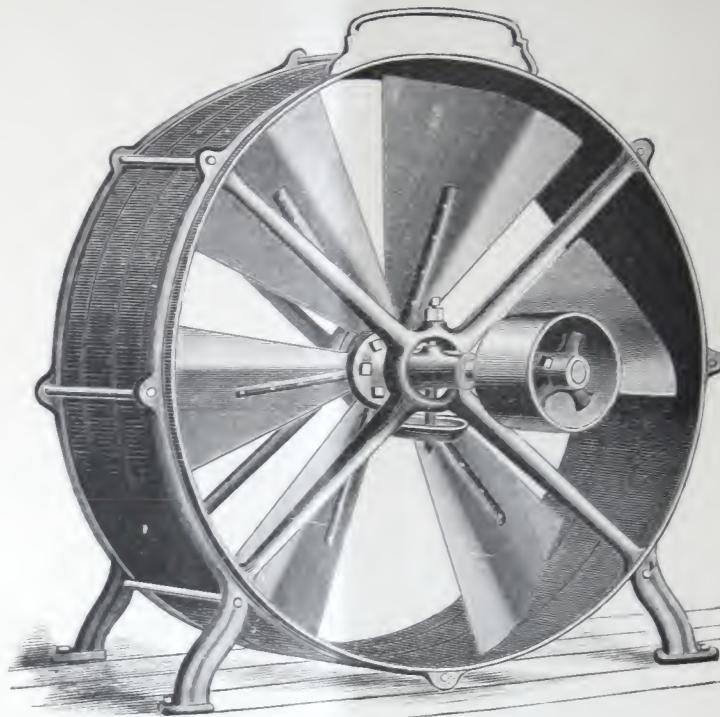
For artistic designs and richness of finish, we claim for this Fan a superiority over all others, adapted to any height of ceiling.

PRICES

Bronzed, with oil finished blades and common carrier,

	18 in. drop,	\$12 50
2 ft. 0 "	"	13 00
2 " 6 "	"	13 50
3 " 0 "	"	14 00
3 " 6 "	"	14 50
4 " 0 "	"	15 00
4 " 6 "	"	15 50
5 " 0 "	"	16 00
5 " 6 "	"	16 50
6 " 0 "	"	17 00
6 " 6 "	"	17 50
7 " 0 "	"	18 00
	18 in. drop,	\$18.75
2 ft. 0 "	"	19 50
2 " 6 "	"	20 25
3 " 0 "	"	21 00
3 " 6 "	"	21 75
4 " 0 "	"	22 50
4 " 6 "	"	23 25
5 " 0 "	"	24 00
5 " 6 "	"	24 75
6 " 0 "	"	25 50
6 " 6 "	"	26 25
7 " 0 "	"	27 00

Japanned, with Mahogany finished or Birds-eye Maple blades and regulator,



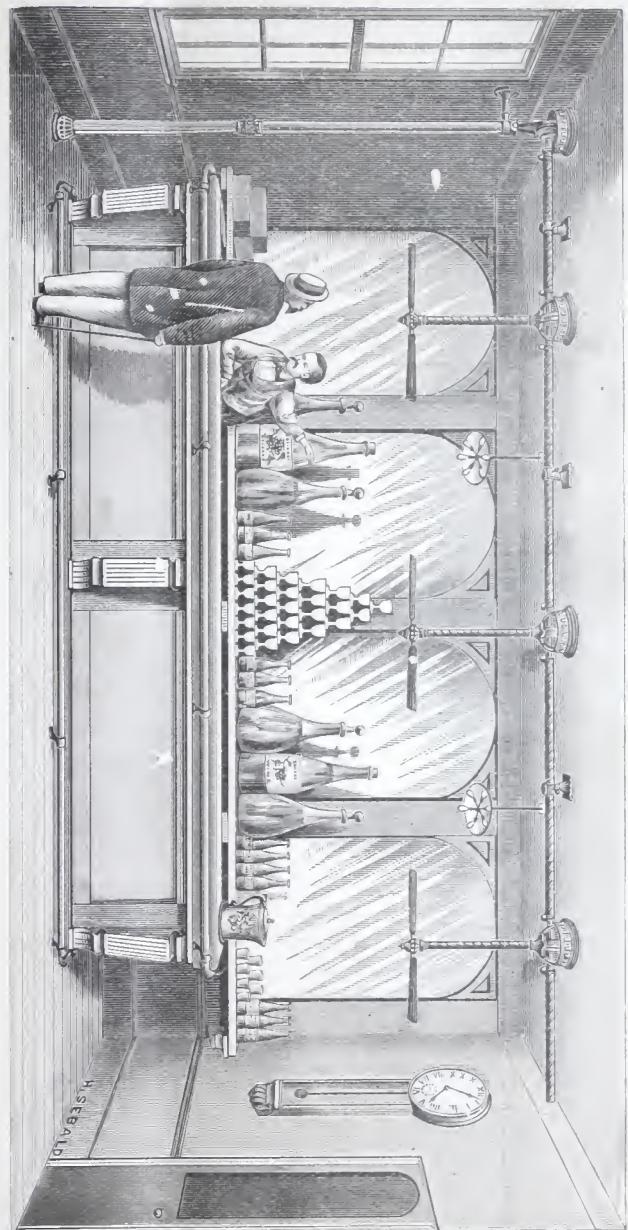
Exhaust Fan

FOR ventilating and removing steam, heat, smoke, foul air and gases from restaurants, hospitals, laundries, dye houses, factories, foundries, boiler rooms, mines, &c.

We manufacture and keep constantly in stock all sizes from 18 to 48 inch wheels. Larger sizes made to order. Constructed entirely of iron, with the latest improved self oil bearings.

Diameter of wheel	Size of Pulley	Speed of Fan	Price
18 inches	3 x 2	500 to 1000	\$ 40.00
24 inches	4 x 2	500 to 1000	50.00
30 inches	5 x 3	400 to 950	65.00
36 inches	6 x 3	400 to 800	85.60
42 inches	7 x 3	400 to 750	105.00
48 inches	8 x 4	400 to 650	125.00

THE above cut represents a Bar Room furnished with our New No. 6 Pt. Shaft Fans, as described on page 13. The only belting used in this plant is from the pulley in the basement on counter-shaft, (an Electric Motor being used for motive power) to a pulley on end of shaft next the window, and the belt covered with nickel plated tulle. The same appliance for covering the belt can be used, if it is necessary to place the motor in the same room with the Fans.



MISCELLANEOUS

5 ⁸	inch	Shaft	per	foot,	.20
3 ⁴	"	"	"	"	.25
7 ⁸	"	"	"	"	.30
1	"	"	"	"	.40
1 3-16	inch	Shaft	per	foot	.50
7 ⁸	inch	collars,	each		.25
1	"	"	"		.30
1 3-16	inch	Collars,	each		.50
1 ¹ ₄	inch	Robe	Tuning,	Nickel	.100
6 x 1	inch	Flange	Pulleys,	each	.65
7 x 1	"	"	"	"	.75
7 x 1 ¹ ₄	"	"	"	"	1.00
7 x 1 ¹ ₂	"	"	"	"	1.25
8 x 1	"	"	"	"	1.00
8 x 1 ¹ ₄	"	"	"	"	1.25
8 x 1 ¹ ₂	"	"	"	"	1.50
8 x 2	"	"	"	"	2.00
9 x 2	"	"	"	"	2.25
10 x 2	"	"	"	"	2.50
2 x 1 ¹ ₄	inch	Double	Flange	Pulleys,	.90
3 x 1 ¹ ₂	"	"	"	"	1.05
3 ¹ ₂ x 1 ¹ ₂	"	"	"	"	1.20
4 x 2	"	"	"	"	1.50
4 ¹ ₂ x 2	"	"	"	"	1.60
4 x 2	inch	High	Face	Pulleys,	.90
5 x 1 ¹ ₂	"	"	"	"	.90
5 x 2	"	"	"	"	1.00
6 x 1 ¹ ₂	"	"	"	"	1.00
6 x 2	"	"	"	"	1.15
7 x 1 ¹ ₂	"	"	"	"	1.15
7 x 2	"	"	"	"	1.30
8 x 1 ¹ ₂	"	"	"	"	1.40
8 x 2	"	"	"	"	1.50
9 x 2	"	"	"	"	1.75
10 x 2	"	"	"	"	2.10
11 x 2	"	"	"	"	2.30
12 x 2	"	"	"	"	2.45
14 x 2	"	"	"	"	2.60
16 x 2	"	"	"	"	2.80
18 x 2	"	"	"	"	3.00
20 x 2	"	"	"	"	3.20
22 x 1	"	"	"	"	3.65
22 x 1 ¹ ₂	"	"	"	"	3.85
22 x 2	"	"	"	"	4.00
24 x 2	"	"	"	"	4.60

The above prices are for Bronzed Pulleys, Japanned extra.

Column or Counter Fan Regulators, nickelized	4.50
Ceiling Fan, Regulators, nickelized,	3.60
Japanned, Bronzed Regulators,	3.00

Fan Blades (64 Inch Sweep)

Flat, Plain Varnished Ash, for Common Carriers, per pair	2.50
" " " " " " Regulator, per pair,	2.75
" Mahogany Finished, " " " " " 	3.25
" Birdseye Maple, for Regulator, per pair,	3.50
" Antique Oak,	4.00
Oar Shaped, Ash for Common Carrier, " " " " " 	3.90
" " " " " " 	4.15
" Mahogany Finished, for Regulator, per pair,	4.75

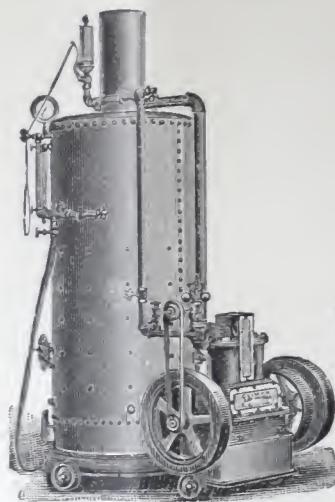
DIRECTIONS FOR ORDERING . .

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**F**OR Column or Counter Fans, care should be taken in giving the distance from top of floor to bottom of joist, as shown in sectional view of Counter Fan on page 4.

For Ceiling Fans, it is necessary to give the height of ceiling, as the proper distance to place them is to have the fan blades 7 feet 6 inches from floor, although either 7 feet or 8 feet from the floor will give good results.

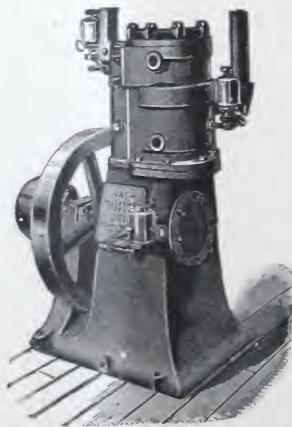
We will also add that in ordering any kind of Fans, the following information should be given: Length and width of room, height of ceiling, on what floor or floors they are to be placed, the motive power to be used, whether Steam or Gas Engine, Electric or Water Motor, all of which we keep in stock and supply.



Climax Engine and Boiler

**W**E are sole agents for the Climax Engines and Boilers, and can recommend them : 1st—To every one who wants to buy a steam engine and boiler ; 2d—After buying one does not want to buy a coal mine to supply fuel ; 3rd—To the proprietor who does not want to pay out all the earnings in his business to some neighboring machine shop to keep his engine in repair ; 4th—To the man that wants to pay an honest price for honest goods.

Can be furnished at once, all sizes, 6 to 50 H. P. Prices on application.



Nash Gas Engine

**W**E are also agents for the Nash Gas Engines ; the best made,  $\frac{1}{3}$  to  $6\frac{1}{2}$  H. P. Prices on application. Electric and Water Motors all sizes constantly in stock.

We herewith give a few of the names of parties using our Ventilating Fans.

### PHILADELPHIA

C. H. Reisser, 5th and Minor streets  
Penna. R. R. Office, 5th and Minor streets  
Central Ave. Hotel, 831 Market street  
Samuel Moore, 44 North 4th street  
David Carrick & Sons, 1903 Market street  
Wm. J. Cronin, 1620 Market street  
Henry McHugh, 1432 Market street  
John Emery, 3rd and Market streets  
Otto Schmidt, Delaware Avenue and Chestnut streets  
James F. Conway, 5th and South streets  
Middendorf Bros., 19 South 4th street  
R. P. March, 1638 Market street  
W. M. Steppacher, 308 Market street  
C. Wilkinson's Sons, 132 Dock street  
Samuel Lea & Sons, 1148 St. John street  
W. A. Miller, 929 Arch street  
Owen Finnegan, 218 North 8th street  
Thomas Lynch, 23rd and Spring Garden streets  
Samuel Kelley, 23rd and Spring Garden streets  
John Holton, 1520 Cumberland street  
Edward Welsh, Germantown  
Patrick Welsch, 2472 Kensington avenue  
M. J. Mellon, 9th and Race streets  
Mrs. A. McClung, 17th and Federal streets  
Jacob Voltz, 1520 Wharton street  
John Gardiner, Frankford road and Norris streets  
M. Connor, 38th and Market streets  
Historical Publishing Company, 3941 Market street  
John Tate, 3906 Spring Garden street  
Solomon Bros., 409 Arch street  
High Bros., 223 North 3rd street  
McNeely & Co., 6th and Randolph streets  
A. Gentsch & Sons, 124 North 4th street  
J. K. Petty & Co., 206 North 4th street  
James Caven, 13th and Willow streets  
C. H. Steiner, 513 Columbia avenue  
United Elect. Eq. Company, 706 Walnut street  
Stewart Bros., 412 Market street  
Wright Bros. & Co., 312 Market street  
George Wolf, 5th street and Lehigh avenue  
P. J. Brady, 1343 North 4th street  
Filipi Longo, 7th and Christian street  
J. & P. Baltz Brewing Co., 31st and Jefferson streets  
George Young, 5148 Lancaster avenue  
Taylor & Carr, 417 Arch street  
C. Hassenforder, 4th and Branch streets  
Brauer & Brauckman, 248 North Front street  
L. H. Blumhard, 126 South 6th street  
Frank Dalmedo, 20th and Alter streets  
Jacob Troescher, 2017 Berks street  
Silas P. Rowland, 1013 Chestnut street  
Brown & Jeeves, 122 North 6th street  
Daniel McLaughlin, 48 South 2nd street  
Priestman & Co., 430 Walnut street  
John Hickey, 23rd and South streets  
Therese Holly, 45 North 6th street

## PHILADELPHIA—Continued

William Hyde, 1306 Dickinson street  
 Mrs. Margaret Stewart, 1409 Bainbridge street  
 Francis Murray, 1200 South 13th street  
 August Haack, 2401 North 6th street  
 John Boyle, 831 Market street  
 Friends Asylum, Frankford  
 John Callioun, 932 South 18th street  
 John Bauers, 1131 Germantown avenue  
 Isaac Louber, 701 South 20th street  
 John Crean, Front and Tasker streets  
 H. P. Price, Broad and Carpenter streets  
 P. Mehan, 1024 McClellan street  
 Allen Line Steamship Co.  
 J. A. Neal, 1521 Columbia avenue  
 Horn & Hardart, 39 South 13th street  
 John Gibbons, 23d and South streets  
 Henry Schoebert, 156 North 3d street  
 P. Stinetz, 212 New Street  
 Jacob Sees, 401 Norris street  
 John Steck, 1950 North 2d street  
 W. S. Batts & Son, Kensington avenue Market  
 Hexter Bros., 434 Market street  
 Jesse Jones & Co., 615 Commerce street  
 N. Riedmann, 2045 Diamond street  
 Julius Rinnert, 2721 Diamond street  
 Blumhall Bros., 42 North 3d street  
 William Cussack, 40th street and Girard avenue  
 Thomas O'Donald, 4418 Lancaster avenue  
 Avil Publishing Company, 3941 Market street  
 B. Murnahan, 19th and Bainbridge streets  
 C. Wentz, New Market and Laurel street  
 Margaret Toner, 1231 South 22nd street  
 Mrs. Alex. McCuen, 33 South 11th street  
 C. U. Jaun, 217 George street  
 Peter Neeson, 17th street and Columbia avenue  
 Thomas Smith, 4027 Lancaster avenue  
 Royal Morocco Company, 401 Arch street  
 A. W. Bettencourt, 1132 Lombard street  
 Fred'k Ritzens, 1322 Callowhill street  
 William Heberle, 1721 North 12th street  
 J. F. Bodenhofer, 4th and South streets  
 F. L. Fuchsluger, 1436 South Penn Square  
 Joseph Lawrence, 1355 Ridge avenue  
 A. Cunningham, 1420 Columbia avenue  
 M. Brennen, 2035 Ridge avenue  
 J. D. Gabadi, 1340 Columbia avenue  
 A. J. Fane, 133 Walnut street  
 George Fox, Jr., N. E. Cor. Taylor and Montgomery avenues  
 William Speese, 826 Oxford street  
 P. Keenan, S. E. Cor. 2nd and South streets  
 William Eyre, 3426 Market street  
 Thomas Martindale & Co., 941 Market street  
 E. L. Shall, 1524 Market street  
 F. Kitch, 229 Dock street  
 Quaker City Elect. Company, 940 North 9th street  
 C. Hines, Belmont and Westminster avenues  
 A. Unfried, 601 North 39th street  
 Benjamin Adair, Kensington

## PHILADELPHIA—Continued

G. Hammer, 3rd and Noble streets  
John Alsbach, 12th and Vine streets  
A. Mullin, Front and Vine streets  
Richard Connor, 2800 Kensington avenue  
Jacob Reyle, 1131 Germantown avenue  
Charles Keller, 850 North 13th street  
Thompson-Houston Elect. Company, 509 Arch street  
Fd'k Jones & Co., 58 North 4th street  
John Sheridan, 4400 Lancaster avenue  
Thomas V. Serril, 1745 South street  
George J. Goeble, 698 Passyunk avenue  
F. T. Tacey, 172 Norris street  
Jacob Schwinn, 4051 Germantown avenue  
Charles A. Rustenbach, 3801 Germantown avenue  
D. J. Galanaugh, 2660 Callowhill streets  
H. Clausen Brewing Company, 2111 American street  
John H. McMullin, 42nd Market street  
M. Sommer, 17th and Susquehanna avenue  
Thomas Cutler, 9th and Walnut streets  
E. F. Leonard, 2640 Callowhill street  
Donahue & Mastbaum, 6th and South streets  
James L. Goodall, 701 South 11th street  
John McShane, 2148 Ellsworth street  
Hotel Vendig, 12th and Market streets  
C. W. Arney & Son, 228 North 3rd street  
William Neal, 739 Girard avenue  
New York Lunch Cafe, 15 South 4th street  
Samuel Rosenfelt, 617 North 4th street  
H. P. Sauer, 1401 Moyamensing avenue  
William Laddy, 108 East Girard avenue  
James J. Ryan, Front and Reed streets  
Theo. Bainbridge, 12th and South streets  
Daily News, 29 South 7th street  
James Lynch, 2nd and Monroe street  
Samuel Sproul, 20th and Fitzwater streets  
Frank Campiglia, 214 South 8th street  
Charles F. Leiber, 14 South 15th street  
R. A. Daly, 18th and Dickinson streets  
H. F. Potter, 16th and Morris streets  
Charles Schaefer, 1604 Columbia avenue  
C. J. Keating, 2701 Germantown avenue  
Central Elect. Company, 9 North 13th street  
Partridge & Richardson, 17 to 25 North 8th street  
Frank Burns, 118 South 22nd street  
Fred'k Talbot, 3225 Germantown avenue  
Charles Mueller, 2556 N. Third street  
James A. Healey, 1925 South Seventh street  
Lambert Klein, 2301 Fairmount avenue  
George F. Ott, 216 Buttonwood street  
James F. McKinley, 2862 Germantown avenue  
H. Magee, 2100 Market street  
Novelty Electric Company, 52 North Fourth street  
Kerbaugh & Hayes, Broad and Germantown avenue

## PHILADELPHIA—Continued

D. Singer, Fifth and Bainbridge streets  
 James Tully, 181 Master street  
 Mrs. G. W. Boger, 2315 Brown street  
 Commonwealth Electric Company, 6c6 Arch street  
 A. R. Kellar Company, 1038 Ridge avenue  
 Adolph Stuckle, 2515 Columbia avenue  
 John H. Geltz, 2822 Germantown avenue  
 Edward J. Brophy, Eighth and Callowhill streets  
 M. Wasmuth, 413 St. John street  
 R. H. Young, 2nd and Reed streets  
 Chas. J. Gibbons, 2500 Christian street  
 Mrs. Ang. Vollmer, Randolph and Jefferson streets  
 John Henry Geiser, 2403 American street  
 John McCann, 1914 South Sixth street  
 Krause & Weber, Second and Morris streets  
 Williamson & Cassedy, 24 South Fourth street  
 Michael Donahue, 1944 Columbia avenue  
 H. R. Giffin & Co., Tenth and Arch streets  
 Sam'l J. Elser, 3856 N. Broad street  
 Wm. J. Bishop, Hancock and Edwards street  
 David Harvey & Son, Alleghany avenue and Jamney street  
 Dornan Bros., Howard, Oxford and Mascher streets  
 Reeves and West, 239 Dock street  
 Philadelphia Stockholder Pub. Co., Fourth and Library streets  
 Continental Hotel Drug Store, Ninth and Chestnut streets  
 J. F. Doyle, 737 Passyunk avenue  
 Brown Bros. & Abele Co., L't'd, Palethorpe and Huntingdon sts.  
 M. Zineman & Bro., 130 South Ninth street  
 Morris and Richter, 2349 N. Fifteenth street  
 G. F. Pfund, 4011 Germantown avenue  
 Wainwright & Co., Second and Arch streets  
 Lovegrove & Co., 143 North Third street  
 Rischell & Co., Thirteenth and Market streets  
 Bernard Kelley, 13th and Ellsworth streets  
 John Watson, 3001 Kensington avenue  
 German Democrat, 614 Chestnut street  
 M. Diehl, Fourth and Fairmount avenue  
 Barbara Harsch, 3159 Germantown avenue  
 Fredericks, MacMiller & Co., 707 Filbert street  
 Travis & Bro., Crease street and Girard avenue  
 Provident Life and Trust Company, 409 Chestnut street  
 Shoemaker & Bush, 602 Arch street  
 H. Whitacker's Sons, Emerald street above Alleghany avenue  
 George Mayer, Fifth and Reed streets  
 Louis J. Wolf, 3500 Frankford avenue  
 B. C. Tillinghast, 12 South Second street  
 Henry Cann, Third and Indiana avenue  
 Peter Snyder, 709 Cantrell street  
 Solomon Bros., 409 Arch street  
 J. H. Maxwell, Second and Market streets  
 Werger Bros., Third and Buttonwood streets  
 Henry Fayter, 313 Race street  
 Crossingham & Patton, Germantown  
 Northern Liberty Gas Co., 50 Laurel street

## PHILADELPHIA—Concluded

Goodyear Machinery Co., 409 Arch street  
 Wanamaker & Brown, Sixth and Market streets  
 C. A. Blessing, 625 Arch street  
 Aldine Hotel, Eighteenth and Chestnut streets  
 Franco-American Cellulose Co., 30th below Chestnut street  
 Frank Bros., 51 North Third street  
 W. H. & G. W. Allen, 113 Market street  
 Albert Hellwig, Ninth and Buttonwoon streets  
 L. F. Seyfert's Sons, Third and Willow streets  
 John J. Hart, 2308 E. Lehigh avenue

## CAMDEN, N. J.

J. R. Eastlack  
 H. G. Bonwell, 925 South Fifth street  
 Albert Ebener, Front and Erie streets  
 W. H. Getty, 210 Federal street  
 Wm. W. Chew, 1016 South Fourth street  
 August C. Miller, Fifth street and Bridge avenue  
 C. A. Miles, Broadway and Stevens street  
 J. C. Jefferies, 513 Federal street  
 Chas. Ricker, 930 Market street  
 D. C. Ashby, 9 Market street  
 Anderson Pre. Company, Front and Arch streets  
 J. B. Vansciver & Co., Federal and Arch streets  
 Luckett & Easton, Broadway and Stevens street  
 W. H. Haegle, 411 Federal street  
 John H. Jones, 524 North Front street

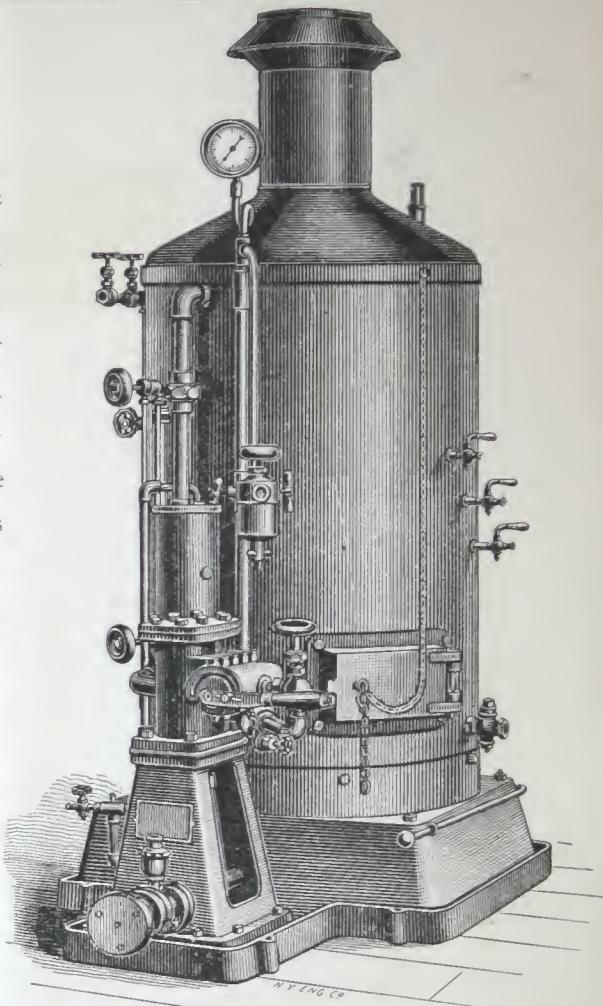
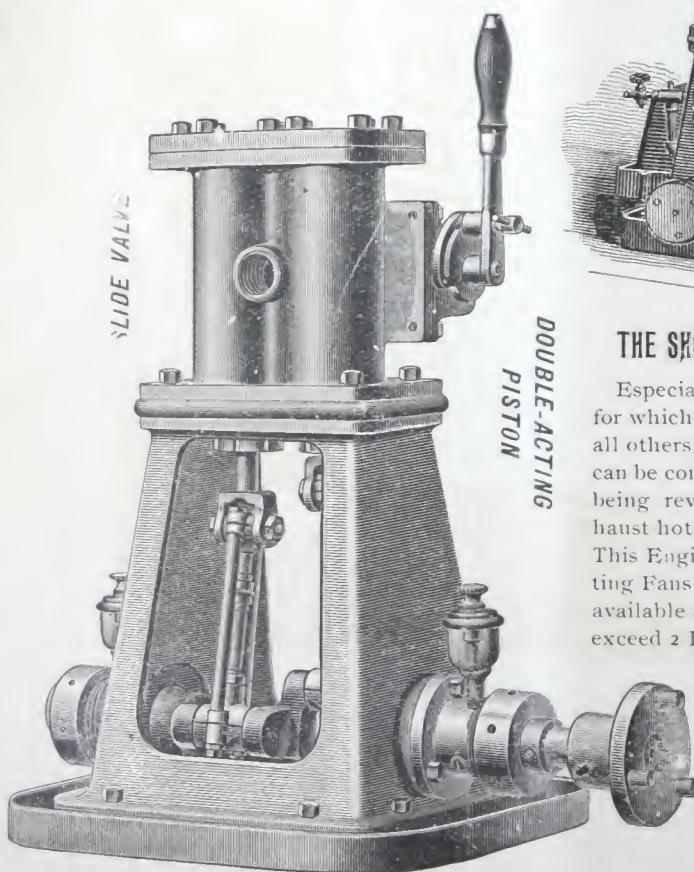
## MISCELLANEOUS

Horn & Hardart, 304 E. Baltimore street, Baltimore, Md.  
 Henry Blouth (Grand Union Hotel), Wilmington, Del.  
 A. B. Cummings (Hotel), Harrisburg, Pa.  
 Wm. Hillier (American House), Mechanicsburg, Pa.  
 Henry Abbott (Washington House), Chester, Pa.  
 Gustave Richert, 194 Church street, Manayunk, Pa.  
 Montgomery Web Company, North Wales, Pa.  
 Hunt & Connell, Scranton, Pa.  
 Henry McIntire, Gloucester, N. J.  
 Taubel, Bros., Riverside, N. J.  
 Cameron and Keil, 793 Ninth avenue, New York, N. Y.  
 Jacobo Baiz, 102 Front street, New York, N. Y.  
 T. K. Jones, Dover, Del.  
 R. D. Hollis, Atlanta, Ga.  
 M. M. Kenney, 24 S. Pryor street, Atlanta, Ga.  
 Potts & Potts, 5 Decatur street, Atlanta, Ga.  
 A. F. Herndon, Atlanta, Ga.  
 Bob Steel, 18 Marietta street, Atlanta, Ga.

## The Shortt Duplex High-Speed Boiler and Engine

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Our Marine Outfit consists of a 2 H. P. Boiler and Engine set on one Bed Plate, equipped with all the fittings required and ready for use. Weight, 650 lbs. Floor space, 2 ft. x 3. Height, 3 ft. to top of dome. Engine making 500 revolutions, and with our Three Blade Wheel, 14 inches in diameter, can drive Boats 20 to 30 feet in length, from 7 to 9 miles. Government allowance on Boilers, 200 lbs. Safety Valve set at 150. Shaft,  $\frac{7}{8}$ .



### THE SHORTT DUPLEX HIGH-SPEED 2 H. P. ENGINE

Especially adapted for running our Exhaust Wheels, for which purpose we can recommend it as superior to all others. Being high speed, the shaft of the engine can be connected direct to the Exhaust Wheel, and being reversible, the wheel can be used both to exhaust hot air from or for blowing cold air into a room. This Engine is also desirable for running our Ventilating Fans, and other purposes where steam power is available and the amount of power required does not exceed 2 H. P., which they develop.

Descriptive circular and price on application.

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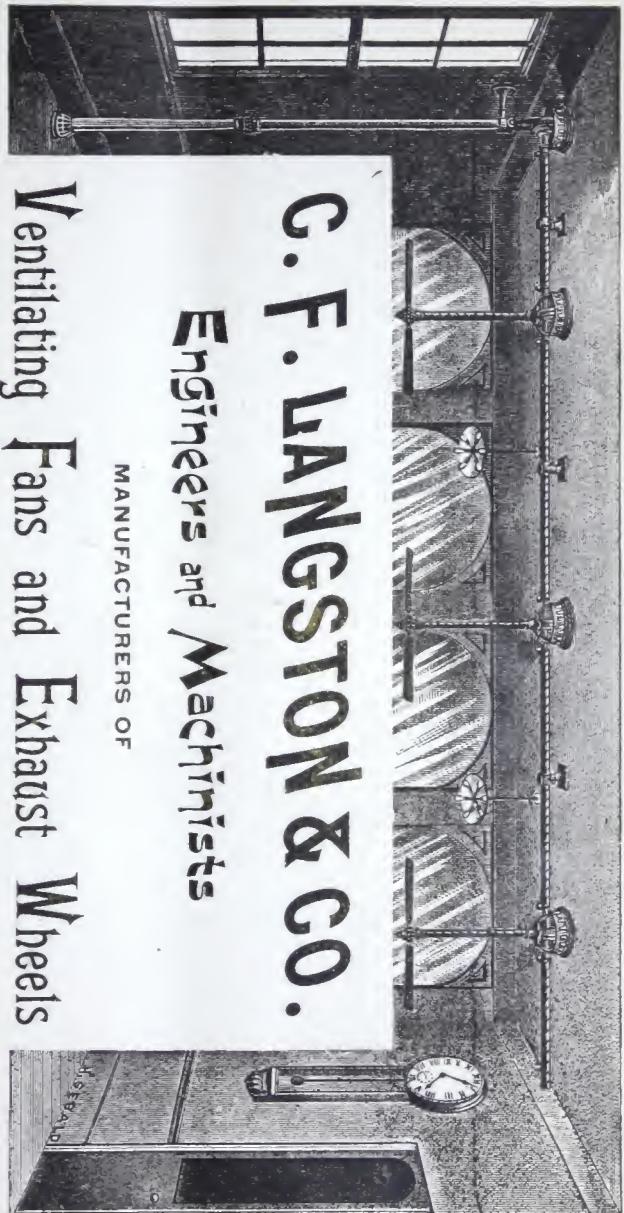
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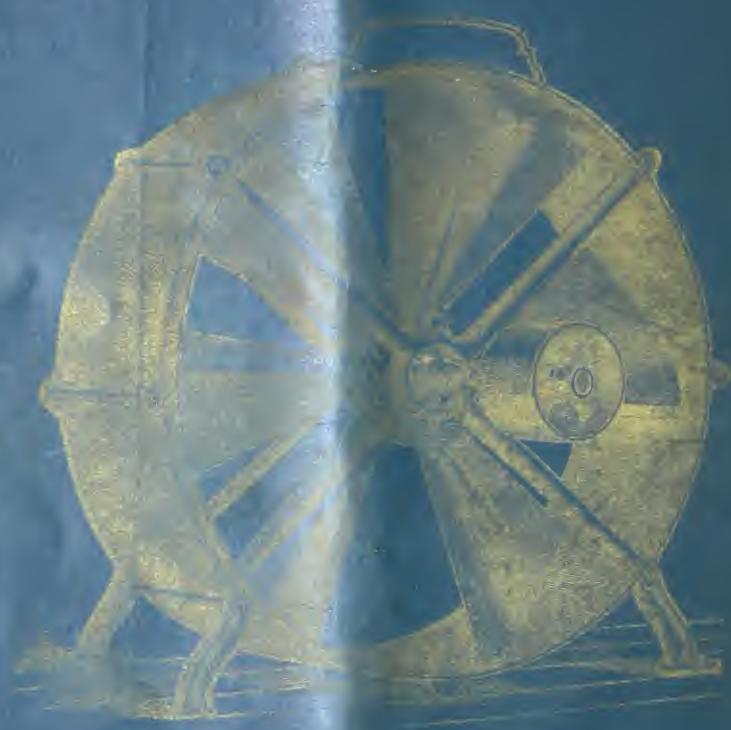
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